

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/800,322  
Source: 1Fw0  
Date Processed by STIC: 11/26/04

# ***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 11/26/2004

PATENT APPLICATION: US/10/800,322

TIME: 21:13:31

Input Set : A:\17530.txt

Output Set: N:\CRF4\11262004\J800322.raw

3 <110> APPLICANT: MEDIMOLECULAR PTY LTD  
5 <120> TITLE OF INVENTION: NOVEL MARKERS AND USES THEREOF  
7 <130> FILE REFERENCE: 2558321/TDO  
9 <140> CURRENT APPLICATION NUMBER: 10/800,322  
C--> 10 <141> CURRENT FILING DATE: 2004-03-12  
12 <150> PRIOR APPLICATION NUMBER: US 60/322228  
13 <151> PRIOR FILING DATE: 2001-09-14  
15 <160> NUMBER OF SEQ ID NOS: 338  
17 <170> SOFTWARE: PatentIn version 3.0  
19 <210> SEQ ID NO: 1  
20 <211> LENGTH: 289  
21 <212> TYPE: DNA  
22 <213> ORGANISM: mammalian  
24 <220> FEATURE:  
25 <221> NAME/KEY: misc\_feature  
26 <222> LOCATION: ()..()  
27 <223> OTHER INFORMATION: "n" is an unknown nucleotide  
30 <400> SEQUENCE: 1

W--> 31 aatcaaaactc gaactcagga ttaagaatct cactcaaanc ngctcaacta catggaaact 60  
33 gaacaacctg ctccctgaatg actactgggt acataacgaa atgaaggcag aaataaagat 120  
35 gttctttgaa accaacgaga acaaagacac aacataccag aatctctggg acncattcaa 180  
37 agcantgtgt agagggaat ttatagcact aaatgccac aagagaaagc aggaaagatc 240  
39 caaaattgac accctaaccat cacaattaaa agaactagaa aaaaaaaaaa 289  
42 <210> SEQ ID NO: 2  
43 <211> LENGTH: 1584  
44 <212> TYPE: DNA  
45 <213> ORGANISM: mammalian  
47 <400> SEQUENCE: 2

48 cggggcagct ctgaggaaca aggtggaagc tcagagcgct ggtctccacc ctggtgcccc 60  
50 tgggctggtg ctggcagtg gaggcgtggc tgtggatgag agacatagac gagagagtga 120  
52 gatggcctgg tttgcctctg acctcctgag ccttctctgg gctacagctg ggactagtac 180  
54 ccagaccag agttcatgct ccgttccctc agcacaggag cccttgggtca atggaatata 240  
56 agtactcatg gagaactcgg tgacttcac agcctaccca aaccccagca tcctgattgc 300  
58 catgaatctg gccggagcct acaacttgaa ggcccagaag ctctgactt accagctcat 360  
60 gtccagcgac aacaacgatc taaccattgg gcacctggc ctccaccatca tggccctcac 420  
62 ctctctctgc cgagaccctg gggataaagt atccattcta caaagacaaa tggagaactg 480  
64 ggcaccttcc agccccaacg ctgaagcadc agccttctat gggcccagtc tagcgatctt 540  
66 ggcactgtgc cagaagaact ctgaggcgac cttgccgata gccgtccgct ttgccaagac 600  
68 cctgctggcc aactcctctc ccttcaatgt agacacagga gcaatggcaa ccttggtctt 660  
70 gacctgtatg tacaacaaga tccctgtagg ttcagaggaa gggttacagat ccctgtttgg 720  
72 tcaggtaacta aaggatattg tggagaaaat cagcatgaag atcaaagata atggcatcat 780  
74 tggagacatc tacagtactg gcctcgccat gcaggetctc tctgtaacac ctgagccatc 840  
76 taaaaaggaa tgggaactgca agaagactac ggatatgata ctcaatgaga ttaagcaggg 900

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```

78 gaaattccac aaccccatgt ccattgctca aatcctccct tccctgaaag gcaagacata 960
80 cctagatgtg ccccagggtca cttgtagtcc tgatcatgag gtacaaccaa ctctacccag 1020
82 caaccctggc cctggcccca cctctgcata taacatcaact gtcataataa ccataaataa 1080
84 ccagctgagg ggggttgagc tgctcttcaa cgagaccatc aatgttagtg tgaaaagtgg 1140
86 gtcagtgtta cttgtgtgcc tagaggaagc acagcgcaaa aatcctatgt tcaaatttga 1200
88 aaccacaatg acatcttggg gccttgctgt ctcttctatc aacaatatcg cggaaaatgt 1260
90 taatcacaag acatactggc agtttcttag tgggtgtaaca cctttgaatg aagggggtgc 1320
92 tgactacata cccttcaacc acgagcacat cacagccaat ttcacacagt actaacgaag 1380
94 aggtgggttc agcttctatc aaacatctcc aaaggatggg tgaaattttt tccacttcat 1440
96 tttaaatcta tgcaaaaaag cgaatgcctg tgatgctacc atattcctgg taaaaacatg 1500
98 gagaaccact atgtagaata aaaatgcaaa gttcactgga gtctcaacat ctatgactca 1560
100 tgaaaataaa attttcatct tctc 1584
103 <210> SEQ ID NO: 3
104 <211> LENGTH: 417
105 <212> TYPE: PRT
106 <213> ORGANISM: mammalian
108 <400> SEQUENCE: 3
110 Met Ala Trp Phe Ala Leu Tyr Leu Leu Ser Leu Leu Trp Ala Thr Ala
111 1 5 10 15
113 Gly Thr Ser Thr Gln Thr Gln Ser Ser Cys Ser Val Pro Ser Ala Gln
114 20 25 30
116 Glu Pro Leu Val Asn Gly Ile Gln Val Leu Met Glu Asn Ser Val Thr
117 35 40 45
119 Ser Ser Ala Tyr Pro Asn Pro Ser Ile Leu Ile Ala Met Asn Leu Ala
120 50 55 60
122 Gly Ala Tyr Asn Leu Lys Ala Gln Lys Leu Leu Thr Tyr Gln Leu Met
123 65 70 75 80
125 Ser Ser Asp Asn Asn Asp Leu Thr Ile Gly His Leu Gly Leu Thr Ile
126 85 90 95
128 Met Ala Leu Thr Ser Ser Cys Arg Asp Pro Gly Asp Lys Val Ser Ile
129 100 105 110
131 Leu Gln Arg Gln Met Glu Asn Trp Ala Pro Ser Ser Pro Asn Ala Glu
132 115 120 125
134 Ala Ser Ala Phe Tyr Gly Pro Ser Leu Ala Ile Leu Ala Leu Cys Gln
135 130 135 140
137 Lys Asn Ser Glu Ala Thr Leu Pro Ile Ala Val Arg Phe Ala Lys Thr
138 145 150 155 160
140 Leu Leu Ala Asn Ser Ser Pro Phe Asn Val Asp Thr Gly Ala Met Ala
141 165 170 175
143 Thr Leu Ala Leu Thr Cys Met Tyr Asn Lys Ile Pro Val Gly Ser Glu
144 180 185 190
146 Glu Gly Tyr Arg Ser Leu Phe Gly Gln Val Leu Lys Asp Ile Val Glu
147 195 200 205
149 Lys Ile Ser Met Lys Ile Lys Asp Asn Gly Ile Ile Gly Asp Ile Tyr
150 210 215 220
152 Ser Thr Gly Leu Ala Met Gln Ala Leu Ser Val Thr Pro Glu Pro Ser
153 225 230 235 240
155 Lys Lys Glu Trp Asn Cys Lys Lys Thr Thr Asp Met Ile Leu Asn Glu
156 245 250 255

```

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```

158 Ile Lys Gln Gly Lys Phe His Asn Pro Met Ser Ile Ala Gln Ile Leu
159           260           265           270
161 Pro Ser Leu Lys Gly Lys Thr Tyr Leu Asp Val Pro Gln Val Thr Cys
162           275           280           285
164 Ser Pro Asp His Glu Val Gln Pro Thr Leu Pro Ser Asn Pro Gly Pro
165           290           295           300
167 Gly Pro Thr Ser Ala Ser Asn Ile Thr Val Ile Tyr Thr Ile Asn Asn
168 305           310           315           320
170 Gln Leu Arg Gly Val Glu Leu Leu Phe Asn Glu Thr Ile Asn Val Ser
171           325           330           335
173 Val Lys Ser Gly Ser Val Leu Leu Val Val Leu Glu Glu Ala Gln Arg
174           340           345           350
176 Lys Asn Pro Met Phe Lys Phe Glu Thr Thr Met Thr Ser Trp Gly Leu
177           355           360           365
179 Val Val Ser Ser Ile Asn Asn Ile Ala Glu Asn Val Asn His Lys Thr
180           370           375           380
182 Tyr Trp Gln Phe Leu Ser Gly Val Thr Pro Leu Asn Glu Gly Val Ala
183 385           390           395           400
185 Asp Tyr Ile Pro Phe Asn His Glu His Ile Thr Ala Asn Phe Thr Gln
186           405           410           415
188 Tyr

```

191 &lt;210&gt; SEQ ID NO: 4

192 &lt;211&gt; LENGTH: 353

193 &lt;212&gt; TYPE: DNA

194 &lt;213&gt; ORGANISM: mammalian

196 &lt;220&gt; FEATURE:

197 &lt;221&gt; NAME/KEY: misc\_feature

198 &lt;222&gt; LOCATION: ()..()

199 &lt;223&gt; OTHER INFORMATION: "n" is an unknown nucleotide

202 &lt;400&gt; SEQUENCE: 4

203 aaccttcgat ctcctgacga gtttattggt ggccaaaacc aggctttgat tgaaccagga 60

205 tgaatgcggg tggtggaagt agaatatata tatacatata aaattgaaac tggcgatgga 120

W--> 207 **atatgagagg agccctctgg aaananaagg acanaccctg tgctttcatg aaagtgaaga 180**

209 tctggctgaa ccagttccac aaggttactt gtatacatag cctgagttta aaaggctgtg 240

211 ccacttcna gaatgtcatt gntagacttt gaaatttcta actgcctacc tgcataaaga 300

213 aaataaaatc ttttanatca aaaaaaaaaa ngccctatag tgggtcgaat nag 353

216 &lt;210&gt; SEQ ID NO: 5

217 &lt;211&gt; LENGTH: 191

218 &lt;212&gt; TYPE: DNA

219 &lt;213&gt; ORGANISM: mammalian

221 &lt;220&gt; FEATURE:

222 &lt;221&gt; NAME/KEY: misc\_feature

223 &lt;222&gt; LOCATION: ()..()

224 &lt;223&gt; OTHER INFORMATION: "n" is an unknown nucleotide

227 &lt;400&gt; SEQUENCE: 5

W--> 228 **atctacaacc ttcgatctcg tgacgagttt attgttggt naaaccaggc tttgattgaa 60**

230 ccaggatgaa tgcgggtggt ggaagtagaa tatatatata catataaaat tggttgggag 120

232 ccacgtgtcc agtgtgtgtt gatcttgctt gattcagctg cttgtacaga actggcgatg 180

234 gattttnttt t 191

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Input Set : A:\17530.txt

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237 &lt;210&gt; SEQ ID NO: 6

238 &lt;211&gt; LENGTH: 287

239 &lt;212&gt; TYPE: DNA

240 &lt;213&gt; ORGANISM: mammalian

242 &lt;220&gt; FEATURE:

243 &lt;221&gt; NAME/KEY: misc\_feature

244 &lt;222&gt; LOCATION: ()..()

245 &lt;223&gt; OTHER INFORMATION: "n" is an unknown nucleotide

248 &lt;400&gt; SEQUENCE: 6

W--> 249 ttttcctgcc cggtaaaaaag caaaagctca atanntangt cataaatggg caaattgtag 60  
 251 tggataacat gctgtgtgca aactgaggtg gatttcaaga tgcatagttc tggaaacaat 120  
 253 aaggagatg gtaatectat ggtccttagg cagtcangcc agaaaaggga tgcttttana 180  
 255 ttctaaataa cacatattat aaaaggaatt atgatatgat gtctcttgaa ggtgcccaca 240  
 257 tgaattataa atgtctngga aaatgaattg tgtaataata gatgata 287

260 &lt;210&gt; SEQ ID NO: 7

261 &lt;211&gt; LENGTH: 3671

262 &lt;212&gt; TYPE: DNA

263 &lt;213&gt; ORGANISM: mammalian

265 &lt;400&gt; SEQUENCE: 7

266 aagcggctct caaccgaaac ctccccaggg gctacagtgg cctttccatg tggttttctc 60  
 268 acagcatgtt ggtgtgtgtc caatgggtgaa agtccacaga gagagagaga gaccagtggt 120  
 270 aaggcacatc atttttctaa acgactcctg gaagttacac ttctgctcca tctgggact 180  
 272 acagggcaca taacaccatg ccagctaatt ttatgtgtgt gtgtgtgtgt gtgtgtgtgt 240  
 274 gtgtgtgtgt gtgcgtagac gggatctcat catcttgccc aggttagtct tggactcctg 300  
 276 gactcaagtg atcctcccat ctcaacctcc aaaagtgtgt ggttacaggc atgagtcact 360  
 278 gcacctggct ggaaatttgt taatagccta tgttgaaggg gtagctgaaa tcacctcacc 420  
 280 atcctctggg tttccagagc acctccattc ttatagccca tgtgagtcgt atggtggggt 480  
 282 gtggttctat gtcctttctc gccctctgtc tgggactgcc gagagagcag gtctcatgtc 540  
 284 atttatttgt agagtctcag ggcctattgc aggatctgac agagtcaatg actgctacct 600  
 286 ttgcggaatg aatgaataaa atcattaatg gctgaatgtg gctggctttt ccacgccttc 660  
 288 ccacagctgg ggtacttaat attggctgag gcaactactt ttaaactgtt ggtattttctc 720  
 290 tttaataaaa tcttgggaaa accttgactt tcatgtcatt ttactttggg actttttcca 780  
 292 aaatccaggc tttatttttc atcaaacaca tgtcatgata atgctcttag ggagtcttta 840  
 294 caaaccatca tcatgtctct gagggaaatc tttgaaaacc ttactttaga tcagagttag 900  
 296 agaagaaatt cacattctaa tagatttgca gggtaattga tattctcgcc atctctgttc 960  
 298 atatttgaaa tatttcagta ctcgatgtag gggcaaaaac attgagttaa cacttcttaa 1020  
 300 taactttcca aaaacctgtt ataaagtaaa actgctgatt cagagggttg gggatctctg 1080  
 302 gggatacagc tcagccttgg ggcccagggc ctaccgtagc tgggctacac ctctctctcc 1140  
 304 agcttcttgt ccagctgctt ctccctctct ttttagactc tagcaacatc ctaggattgt 1200  
 306 tatggctctg ttgatgcaat gctgcttctt gccatcttgc tgcgtgaaat gctgctttct 1260  
 308 ctgctcaatc atctagcaaa ctaccattca ttcttctga ccctgctgag gcacccctt 1320  
 310 ctctgtgaag agttccctct ctcttctcc aatgtatcag taagctattg ctgtgtaata 1380  
 312 aaccaccccc aaggcagtggt cttgaaacaa ctgtgtatta ttgtcctgtg ggtcaaccag 1440  
 314 ctgggtctgc tgatccggac aggccttggt aatctcaact ctgttttgta tctatcgga 1500  
 316 gaacaactgg aggctggctg gtctaggatg gcctcattta tgtgtttggc attggctagc 1560  
 318 tctcaattca gtggatgagg gtgactggac catgctgtct tcatcaccga gtagactagc 1620  
 320 ctgggtttgt tctcgagggt actgatgctg ttctgtgaga gagaaggaaa gcatgcatgg 1680  
 322 cctctggagg cctggatctc aaaacccaat ggcacaccag cacttctgct gctttctttt 1740  
 324 ggctgaagcc aggtcagttc atgttcaagg ggaggagatt tagactctac cttttaatgg 1800

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```

326 gagaagctgc atagttacat tgcaaaagac aaggatctga ggggaggaga gaaggatgag 1860
328 tggaatggtt gattgatttt tgtgatcaat ccaccacacc cacctttgat agaggactt 1920
330 actctgtagt acaattggcc ttccatactg tgggttccat acctatagat tcaaccaatt 1980
332 gcaaaactgaa aatatttgaa atatgtttgc atctgcactg aacatgtaca gactattttt 2040
334 cttgtcctta caggataata atacgggata acaactattg acaaagcatt tacattgtat 2100
336 taggtattat aagtaatcta gagatgattt aaagtataca ggaggatgta tgtatgttat 2160
338 atgcaaatac tacactcttt tatattaggg acttgagcat ctggagagtg tggatatctga 2220
340 gggagttcct ggaactaatg tgcagatgcc aagggacaac tgtactattg tacttggaag 2280
342 tactcatggg gtcataattgc attgtttctt tgagtcctaa ttctgccaac atggcctggt 2340
344 gcttgcattha atcagctttc taatctctga gtaacaaggc acagtaacaa ggagcagtaa 2400
346 caaggcacag ggctggcacc tgagagtgga ggtaccacag aggcagacac cataaggcgg 2460
348 gaaagggaca tatgtacaga atcatggctg catgtcctga agcctggctt aagccatcaa 2520
350 cggctgctgg gcaggggcca aagccctgtt atccctttcg ccttctctga tggctctgcc 2580
352 tctgccttca gctgggcgtg ggcaggcccc acccaccgag gctccagccc ttaccacag 2640
354 tgtcagcaat gcagcctcca gaggatgtgc tcaggccctg cccacacacc cggatgttga 2700
356 caggggcatg actccagcgc cagctcta at ggatgggtctc atcgctttta aaataatgac 2760
358 catggggcgt gggctggcga gagcagtgac atcactttcc tgcaattctg ggtcagttcc 2820
360 tgetgctttt ctctgtatgt ttgaatgact gaaataaatc tattggttgg atatatctcc 2880
362 tggaagactt ctgacatgtt cacatgccta tcttggaatg tggtcaggag agcaatggct 2940
364 ttggacttag aggtcctggg ttcaagattc tgctactagc ttgctgtatg aacttggact 3000
366 agcaacttaa cttctccagg cctgtgtttt ctcatcttga caatgatggg aggaataccc 3060
368 ttggttttgt aaaggaatgg tgaggacgaa ctgggactct ttgtcagaga cactgtcttm 3120
370 gtcagtttgg gctgctataa caaagttcca cagattaggt ggcttggtta cagcagaaat 3180
372 atattttctca cagttctgga ggctagaagt ccaagctcag gatgccagca tggttgggct 3240
374 ctggagggct cctaaacacc attattcttc attcacgctt ctgagagccc taaggaagag 3300
376 agtgattcct cagctcaatt gtgaactgct cctgccactc tgtacttctc cgtgtaaaga 3360
378 arccagactt tacatcatgg gtgaccactc ccgcagagtt gtacagaacc tcccttgggg 3420
380 ccacaggatg gctggattct gtcccctcat atacaaggag gttattggga cagcatttct 3480
382 cctagaaca agagtgtata ttccagaaag ctatggatga cttcccatgg tcatcagatc 3540
384 actaggcagg aatgctattc tcctgataga tgtgtggaaa gtattcaatt caattttgac 3600
386 ccaaagttct aggcactgga ttaagaaatg ccaaacccaa aacgtttaac tttagaatta 3660
388 aaaaaaaaaa a 3671

```

391 &lt;210&gt; SEQ ID NO: 8

392 &lt;211&gt; LENGTH: 357

393 &lt;212&gt; TYPE: DNA

394 &lt;213&gt; ORGANISM: mammalian

396 &lt;220&gt; FEATURE:

397 &lt;221&gt; NAME/KEY: misc\_feature

398 &lt;222&gt; LOCATION: ()..()

399 &lt;223&gt; OTHER INFORMATION: "n" is an unknown nucleotide

402 &lt;400&gt; SEQUENCE: 8

```

W--> 403 gaattgtagc tatgacntac cttctttacat ggcacgttga gccatgtaag gaaaatgttn 60
405 ggttttttga gaaggtacag aaatattttt tcatatgggc atttctctta gcagtcttta 120
407 taaagctaag aatagaatat aaaaattcta ccaaatgagc tataaaaaata gttatgattg 180
409 cctgaattta tttctaacaa cttcctgact aagttcagac acccaggata gttgctttta 240
411 ataaaacatg cttattttca nggtttttct ttagaaaggg atatgtgtca gggagatgaa 300
413 agaatgtatt cttttcttgc atttgggtga cctgtaagtt taccctggg gtaaattg 357
416 <210> SEQ ID NO: 9
417 <211> LENGTH: 244

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RAW SEQUENCE LISTING ERROR SUMMARY  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 39,41,173,185  
Seq#:4; N Pos. 144,146,154,249,262,316,331,351  
Seq#:5; N Pos. 41,187  
Seq#:6; N Pos. 34,35,38,157,179,224,257  
Seq#:8; N Pos. 17,60,261  
Seq#:9; N Pos. 187  
Seq#:10; N Pos. 28,29  
Seq#:11; N Pos. 16,38  
Seq#:12; N Pos. 29,72,123,126,138,146,164,179  
Seq#:13; N Pos. 151,152,154  
Seq#:15; N Pos. 263  
Seq#:22; N Pos. 10,11,216  
Seq#:24; N Pos. 306,343,356,457  
Seq#:25; N Pos. 210,433  
Seq#:26; N Pos. 216,234,251,253  
Seq#:35; N Pos. 58,129,131,133,136,152,156,205,234,239,244,254  
Seq#:37; N Pos. 52,56,85,91,124,130,182,186,192,196,202,219,223,228,236,247  
Seq#:37; N Pos. 271,290,297  
Seq#:40; N Pos. 37,216,217,477,494  
Seq#:42; N Pos. 215  
Seq#:45; N Pos. 25  
Seq#:46; N Pos. 181  
Seq#:48; N Pos. 17,61,62,270  
Seq#:51; N Pos. 1,18,30,269  
Seq#:52; N Pos. 12,28,117,141,144,210,305  
Seq#:53; N Pos. 9,10,18,51,140,167,168,172,192,206,221,222,237,238,241,245  
Seq#:53; N Pos. 255,257,258,259,265,276,277,279,284,286,293,294,296,298,306  
Seq#:53; N Pos. 308,311,318,324,331,332,333,334,336,337,339,340,351,352,359  
Seq#:53; N Pos. 365,370,372,374,383,384,388,389,391,399,400,401,405,409,411  
Seq#:53; N Pos. 413,414,417,418,425,426  
Seq#:54; N Pos. 56,84,132,154,155,156,234,260,277,283,290,326,350,359,367  
Seq#:54; N Pos. 369,373  
Seq#:65; N Pos. 4,42,184,185  
Seq#:68; N Pos. 8,53,95,101,108,109,129,135,137,146,154,161,172,181,196,203  
Seq#:68; N Pos. 209,216,226,229,235,240,247,250,260,262,265,268,272,273,276  
Seq#:68; N Pos. 287,290,296,310,322,325,340,341,343,345,351,360,362,364,378  
Seq#:68; N Pos. 387,401,410,412,419,422,437  
Seq#:69; N Pos. 84,165,181,227  
Seq#:71; N Pos. 15  
Seq#:72; N Pos. 391  
Seq#:73; N Pos. 451,465,501,510,513  
Seq#:74; N Pos. 476,484,502,523  
Seq#:75; N Pos. 507  
Seq#:76; N Pos. 355,450,505

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Seq#:77; N Pos. 434,458,479,482,486

Seq#:78; N Pos. 494

Seq#:79; N Pos. 74

Seq#:80; N Pos. 5,12,31,41,42,138,151,156,190,384,386,402,405,439,477,492

Seq#:80; N Pos. 498,508,515,517,524,525,546,555,559,571,578,581,591

Seq#:81; N Pos. 5,21,27,29,38,61,62,64,92,98

Seq#:82; N Pos. 24,30,32,54,62,75,78,82,90,100,101,106,115,125,160,180,183



## VERIFICATION SUMMARY

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Input Set : A:\17530.txt

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L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:31 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
M:341 Repeated in SeqNo=1  
L:207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:120  
M:341 Repeated in SeqNo=4  
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
M:341 Repeated in SeqNo=5  
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
M:341 Repeated in SeqNo=6  
L:403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
M:341 Repeated in SeqNo=8  
L:434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:180  
L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0  
L:476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0  
M:341 Repeated in SeqNo=12  
L:530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:120  
L:592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:240  
L:819 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0  
M:341 Repeated in SeqNo=22  
L:869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:300  
M:341 Repeated in SeqNo=24  
L:894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:180  
M:341 Repeated in SeqNo=25  
L:923 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:180  
M:341 Repeated in SeqNo=26  
L:1766 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0  
M:341 Repeated in SeqNo=35  
L:1832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
M:341 Repeated in SeqNo=37  
L:1941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0  
M:341 Repeated in SeqNo=40  
L:2001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:180  
L:2173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0  
L:2202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:180  
L:2246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0  
M:341 Repeated in SeqNo=48  
L:2324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0  
M:341 Repeated in SeqNo=51  
L:2355 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0  
M:341 Repeated in SeqNo=52  
L:2380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0  
M:341 Repeated in SeqNo=53  
L:2409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0  
M:341 Repeated in SeqNo=54  
L:3017 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:0  
M:341 Repeated in SeqNo=65  
L:3429 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:0

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/800,322

DATE: 11/26/2004

TIME: 21:13:32

Input Set : A:\17530.txt

Output Set: N:\CRF4\11262004\J800322.raw

M:341 Repeated in SeqNo=68

L:3460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:60

M:341 Repeated in SeqNo=69